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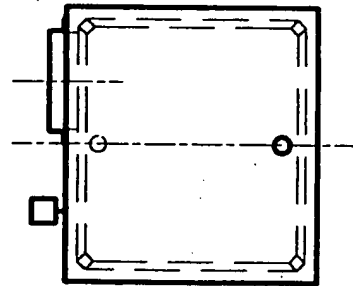
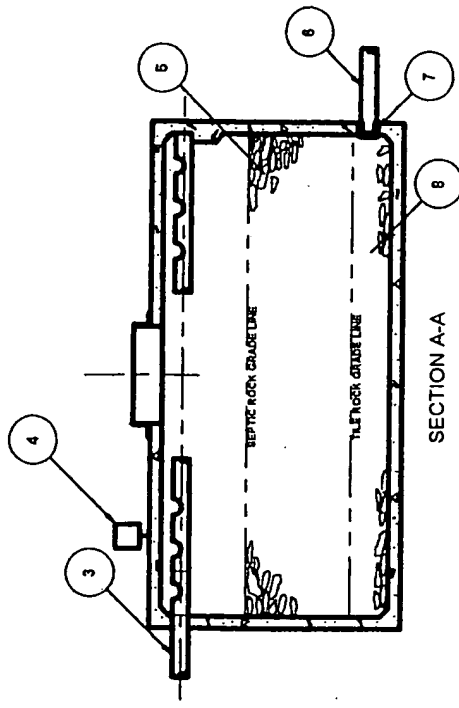
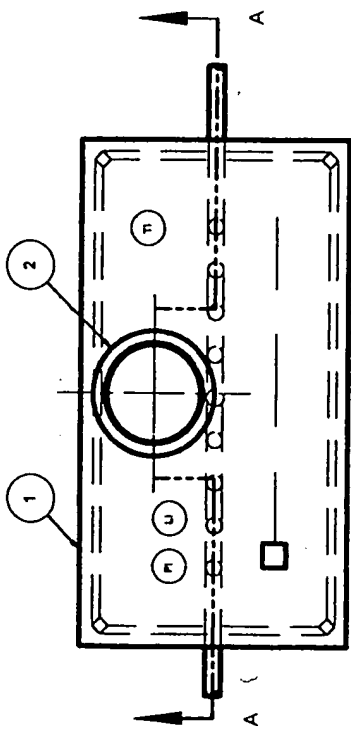
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NO	DESCRIPTION	QTY	UNIT	RECD	MAIL
1	24" MANHOLE W/24" DIA	1	EA	1	PLR
2	SLUDGE HOLDING TANK, PRECAST REINFORCED CONCRETE, 150 GAL	1	EA	1	PLR
3	SPREADER PIPE, 4 IN X 10 FT	1	EA	1	PLR
4	HEATER, CABLE TYPE	1	EA	1	PLR
5	SEPTIC ROCK PACKING, 6.00 X 118.00 X 36.00 DP	1	EA	1	PLR
6	DISCHARGE PIPE, 4", PCB	1	EA	1	PLR
7	SCREEN FOR 4" PIPE	1	EA	1	PLR
8	4" TILE ROCK PACKING, 6.00 X 118.00 X 10.00 DP	1	EA	1	PLR

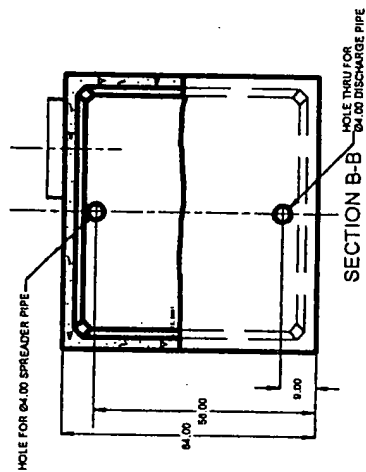


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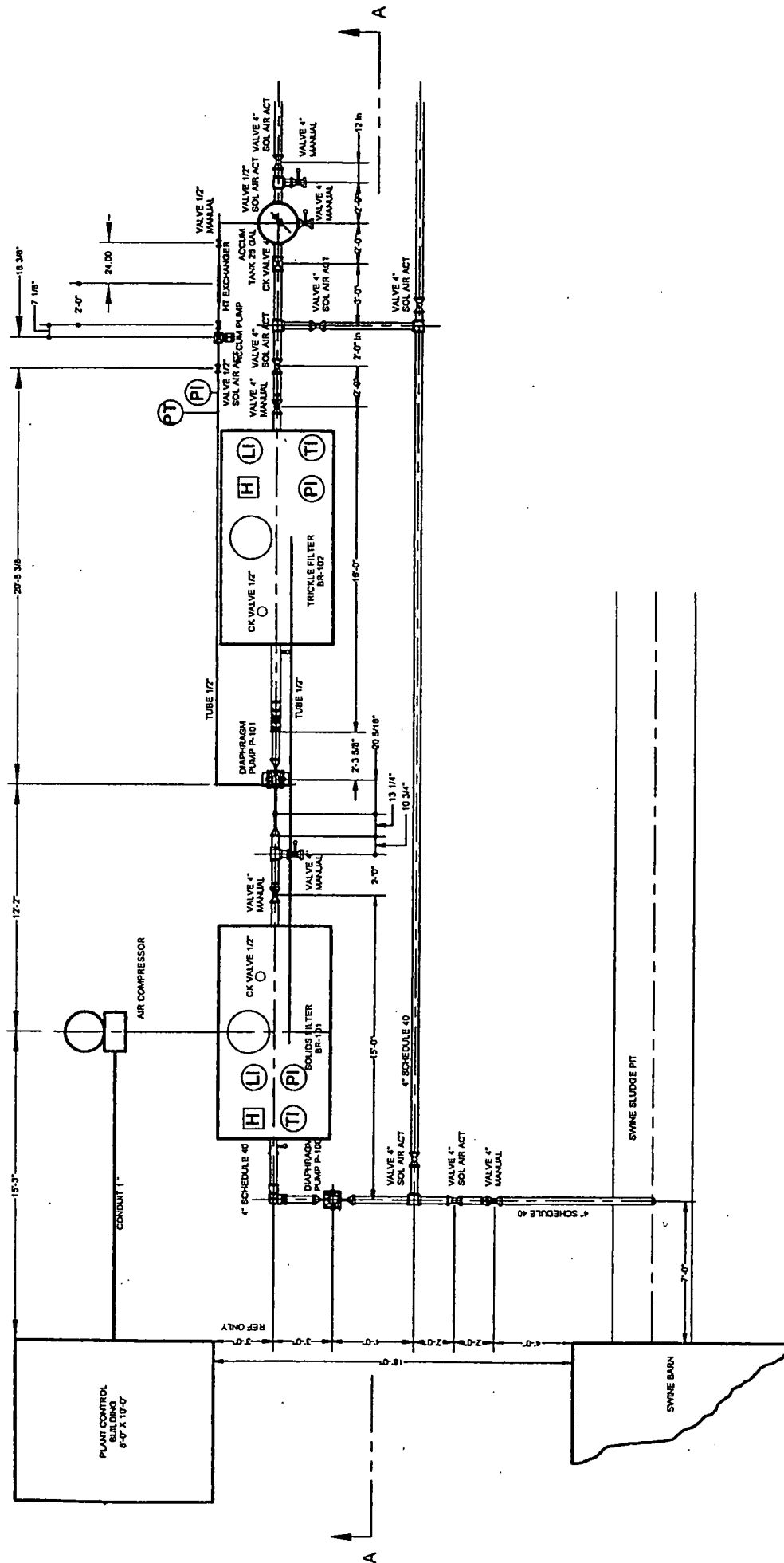
FIG. 2

NOTES VOLUME: 1500 LOCATION OF 4 HOLES, ONE FOR EACH OF THE FOLLOWING IS TO BE ANNOUNCED: LEVEL SENSOR, TEMP SENSOR, PRESSURE SENSOR AND STRAP HEATER You are hereby notified that these documents are confidential and shall not be copied or distributed by any means, to anyone, for any reason. The documents contain information which is the property of Paul T. Baskis whose office is located at 330 South Century Blvd., Nardol, IL 61860. If you are not the intended recipient, please call 217-482-1440 for further instructions.		REVISIONS <table border="1"> <tr> <th>NO.</th> <th>BY</th> <th>DATE</th> <th>DESCRIPTION</th> <th>APPROD</th> </tr> <tr> <td>A</td> <td>FOR</td> <td>05/07/01</td> <td>REMOVED PERFORATED DISCHARGE PIPE, ADD SCREEN</td> <td></td> </tr> </table>		NO.	BY	DATE	DESCRIPTION	APPROD	A	FOR	05/07/01	REMOVED PERFORATED DISCHARGE PIPE, ADD SCREEN		APPROVED E. D. MULLINX DATE: 05/04/01 PROJECT: DRY CYCLE ANAEROBIC BIOREACTOR SCALE: 1/2" = 1'-0" DRAWING: DCAD-X-02-04		BASKIS & ASSOCIATES 330 SOUTH CENTURY BLVD. NARDOL, ILLINOIS 61860 PROJECT: DRY CYCLE ANAEROBIC BIOREACTOR DRAWING: DCAD-X-02-04	
NO.	BY	DATE	DESCRIPTION	APPROD													
A	FOR	05/07/01	REMOVED PERFORATED DISCHARGE PIPE, ADD SCREEN														



DRAFT ONLY

<p>NOTES</p> <p>WALL THICKNESS - 3 IN</p> <p>CAPACITY - 1500 GAL</p> <p>WEIGHT - 1700 LBS</p> <p>You hereby warrant that these documents are confidential and shall not be copied or distributed by any means, in any form, for any reason. The documents herein are confidential and shall remain confidential and shall be held in confidence by you and your employees, agents, and representatives. If you are not the intended recipient, please call 217-233-1540 for further instructions.</p>										<p>BASKIS & ASSOCIATES</p> <p>338 SOUTH CENTURY BLVD NANTAOUL, ILLINOIS 61860</p> <p>PRODUCT: DRY CYCLE ANAEROBIC DIGESTER PROTOTYPE PLANT</p> <p>ITEM: BR-1021 TRICKLE FILTER VALVE DETAIL</p> <p>DATE: 05-07-01</p> <p>SCALE: 1/2" = 1'-0"</p> <p>PROJECT NO: 00AD-X-02-05</p> <p>DATE: 05-07-01</p> <p>BY: P. D. MULLINS</p> <p>CHECKED: DATE: 05-07-01</p> <p>APPROVED: DATE: 05-07-01</p> <p>REVISIONS</p> <p>NO. BY DATE DESCRIPTION APPROD</p> <p>A PDM 05-07-01 REMOVED PREFOAMATED DISCHARGE PIPE, ADD SCREEN</p>									
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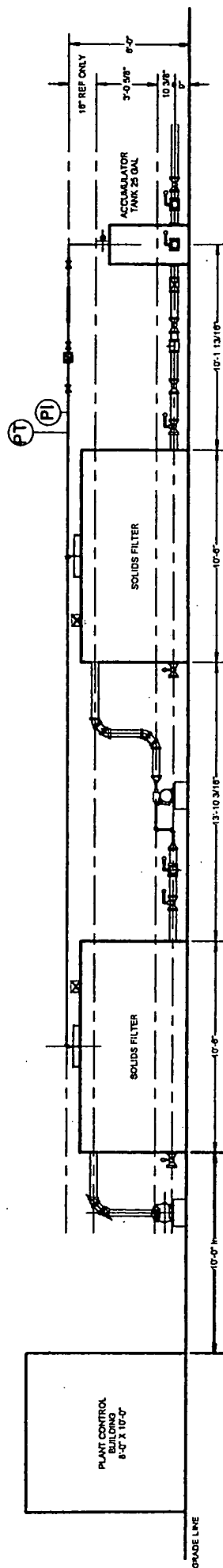
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FIG. 5

NOTES

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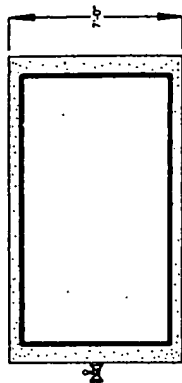
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												<div>DESIGNED BY: F. D. MULLINX</div>		<div>DATE: 05-18-01</div>									
												<div>CHECKED BY: P. T. BASKIS</div>		<div>DATE:</div>									
												<div>APPROVED BY:</div>		<div>DATE:</div>									
												<div>DCAD REF:</div>		<div>SCALE: 1/4" = 1'</div>									
												<div>NO.</div>		<div>BY</div>		<div>DATE</div>		<div>DESCRIPTION</div>		<div>APPROVED</div>			



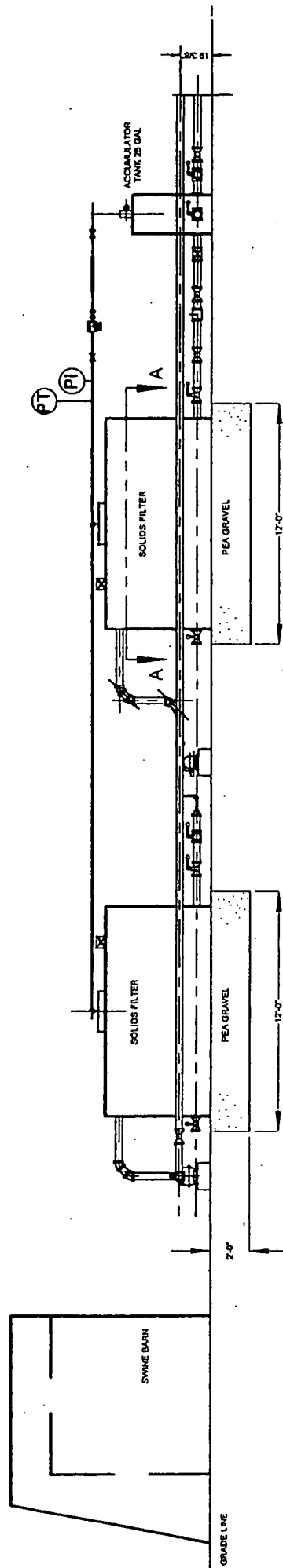
SECT A-A

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SECTION A-A



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FIG. 7

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BASKIS & ASSOCIATES	
339 SOUTH CENTURY BLVD BANTON, ILLINOIS 61810	
PROJECT	DRY CYCLE ANAEROBIC DIGGER
TITLE	PLANT LAYOUT - ELEVATION VIEW
DATE	DCAD
BY	DCAD
CHKD	DCAD
DATE	DCAD

DESIGNED BY	F. D. MALLINX	DATE	05-15-01
CHECKED BY	PT BASKIS	DATE	
APPROVED BY		DATE	
SCALE	1/4" = 1'		

REVISIONS			
NO.	BY	DATE	DESCRIPTION

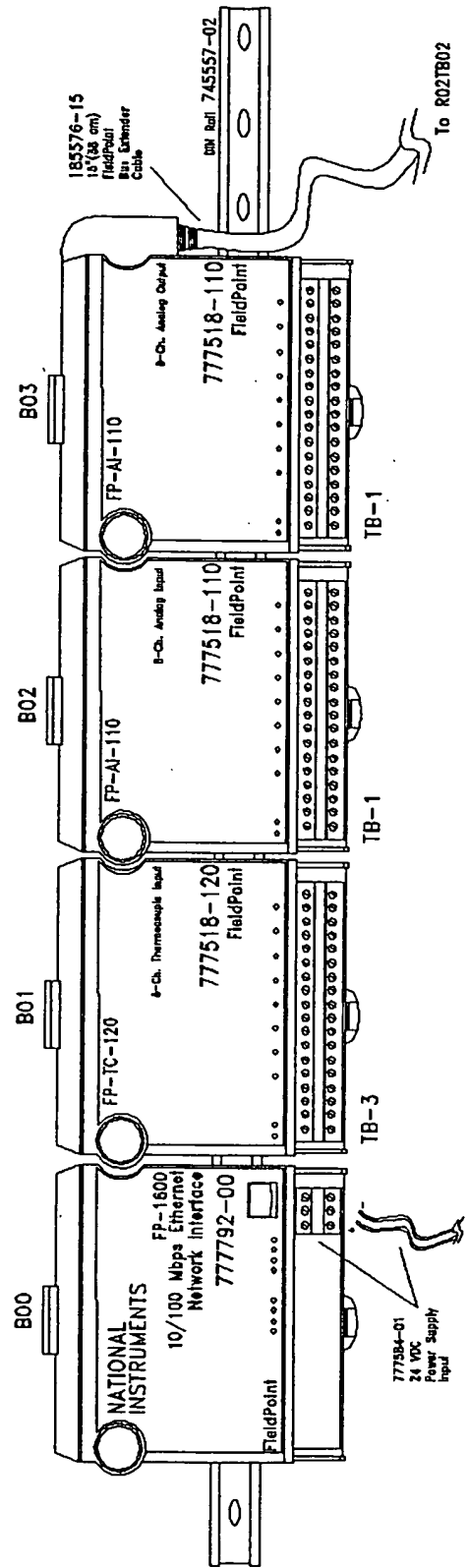
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1 2 3 4 5 6 7 8

23.6" Industrial Enclosure Box 777596-02

I/O Module Rack #01

4 I/O Modules w/ Terminal Base



B00 (Base #) FP-1600

Interface: 10BaseT/10Base2 Ethernet
Comm. rate: 10 Mb/s, 100Mb/s, auto negotiated
Max distance from host: 100 m per Ethernet segment
Max I/O modules per backplane: 8 slots
Power supply voltage: 11-36 VDC
Total back power: 7 W + (I/O module power x 1.15)
*This supplied power provides power for all the I/O modules in the back

B01 (Base #) FP-TC-120

Input type: Thermocouple J, K, T, R, S, E, B
Number of inputs: 8 differential/3-wire
Updated rate, all channels: 0.1 s
Signal input bandwidth: 3 Hz
Overvoltage protection: 40V
Power requirement: 350 mW
TB-3-----Isothermal Terminal Base

B02/B03 (Base #) FP-AI-110

Input type: Voltage
Voltage: ±40mV, ±300mV, ±1V, ±5V, ±10V, 0-1V, 0-5V, 0-10V
Current: 0-20mA, 4-20mA, ±20mA
Number of inputs: eight single-ended
Overvoltage protection: 40V
Desaturated protection: 30mA
Power requirement: 350 mW
TB-1-----Universal Terminal Base

Address Definition

R#B#C#

Channel number (00-03 or 00-15)
I/O Base number (00-03 or 00-08)
I/O Module Rack number (01-49)

R#TB#

Terminal or I/O Base number (00-03 or 00-08)
I/O Module Rack number (01-49)

24V DC POWER BUDGET

FOR RACK 01 CONFIGURATION

Total Supplied Power for Rack 01 & 02 = 8.5 W

R01B01 Requires = 350 mW

R01B02 Requires = 350 mW

R01B03 Requires = 350 mW

TOTAL POWER REQ. FOR RACK 01 = 1.05 W

FIG. 8

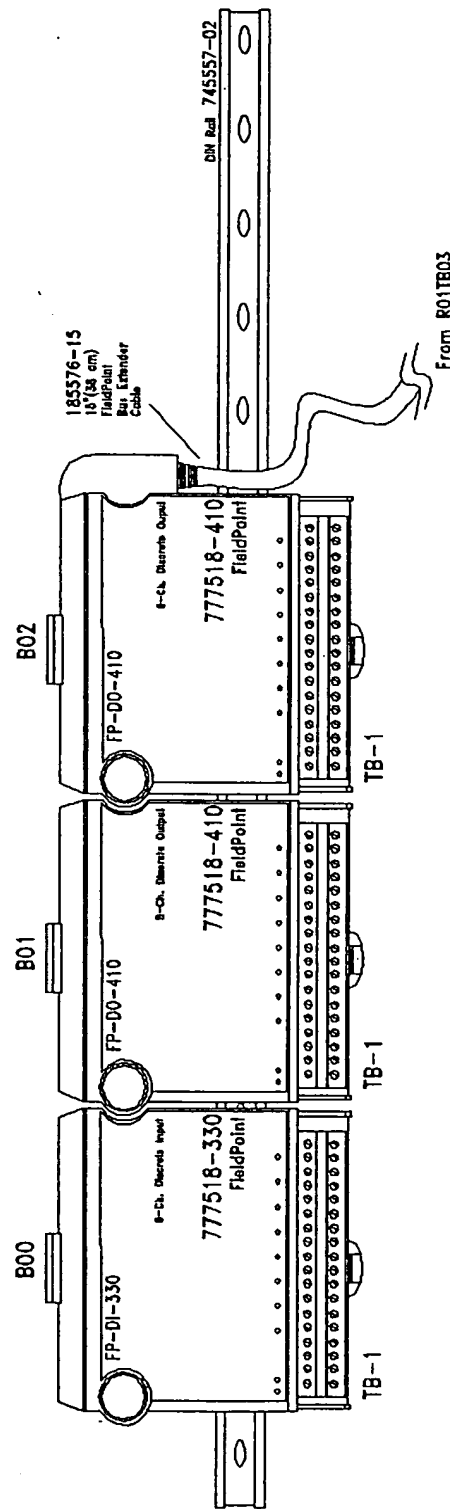
DATE: 10/1/99
BY: J. L. R. / J. L. R.

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23.6" Industrial Enclosure Box 777596-02

I/O Module Rack #02

4 I/O Modules w/ Terminal Base



B0 (Base #) FP-DI-330
Input type
Voltage 5-30 VDC
Number of inputs
Input delay time
Power Requirements
Power from network module
TB-1 Universal Terminal Base

B1 (Base #) FP-DO-410
Output type
Voltage 5-30 VDC
Sourcing, channel protected with
electronic resettable fuses
Number of channels
Loadage, overcurrent condition
Propagation delay
Power Requirements
Power from network module
TB-1 Universal Terminal Base

B2 (Base #) FP-DO-410
Output type
Voltage 5-30 VDC
Sourcing, channel protected with
electronic resettable fuses
Number of channels
Loadage, overcurrent condition
Propagation delay
Power Requirements
Power from network module
TB-1 Universal Terminal Base

B2 (Base #) FP-DO-410
Output type
Voltage 5-30 VDC
Sourcing, channel protected with
electronic resettable fuses
Number of channels
Loadage, overcurrent condition
Propagation delay
Power Requirements
Power from network module
TB-1 Universal Terminal Base

Address Definition

R#B#C#

Channel number (00-08 or 00-18)
I/O Base number (00-03 or 00-08)
I/O Module Rack number (01-99)

R#TB#

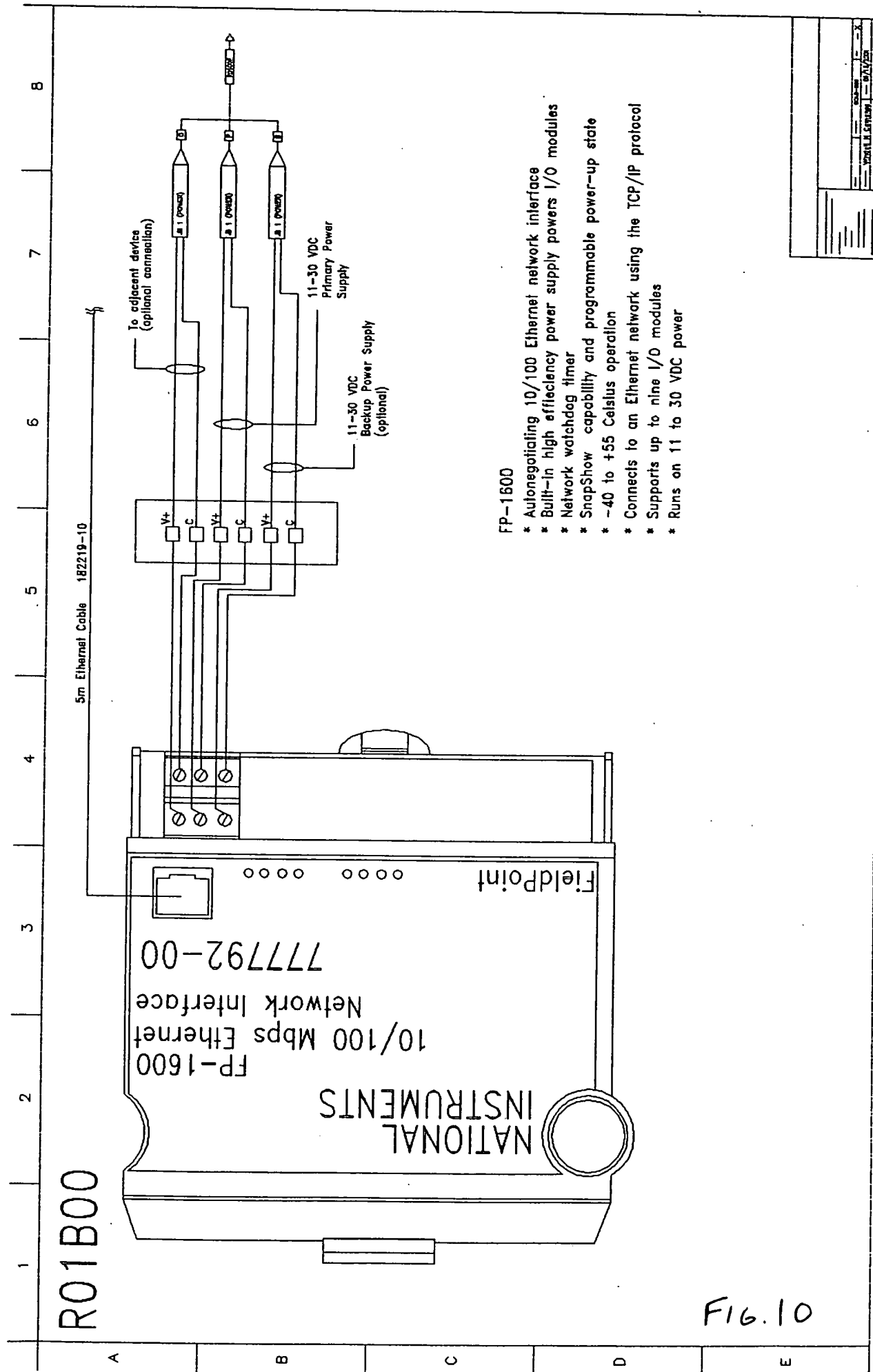
Terminated or I/O Base number (00-03 or 00-08)
I/O Module Rack number (01-99)

24V DC POWER BUDGET
FOR RACK 02 CONFIGURATION

R02B00 Requires = 200 mW
R02B01 Requires = 400 mW
R02B02 Requires = 400 mW
TOTAL POWER REQ. RACK 01&02 = 2.05 W

FIG. 9

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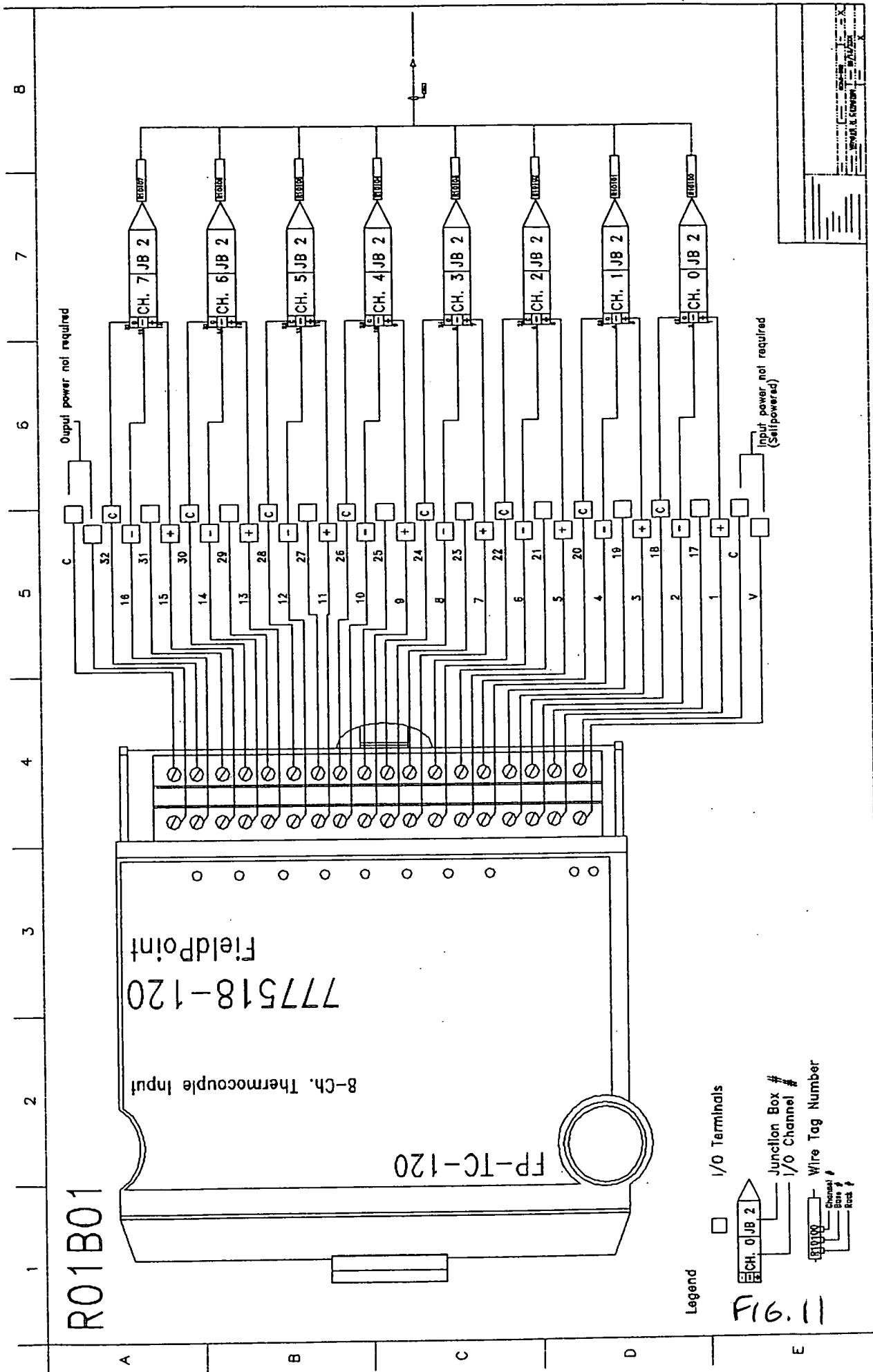


FP-1600

- * Autonegotiating 10/100 Ethernet network interface
- * Built-in high efficiency power supply powers I/O modules
- * Network watchdog timer
- * SnapShot capability and programmable power-up state
- * -40 to +55 Celsius operation
- * Connects to an Ethernet network using the TCP/IP protocol
- * Supports up to nine I/O modules
- * Runs on 11 to 30 VDC power

FIG. 10

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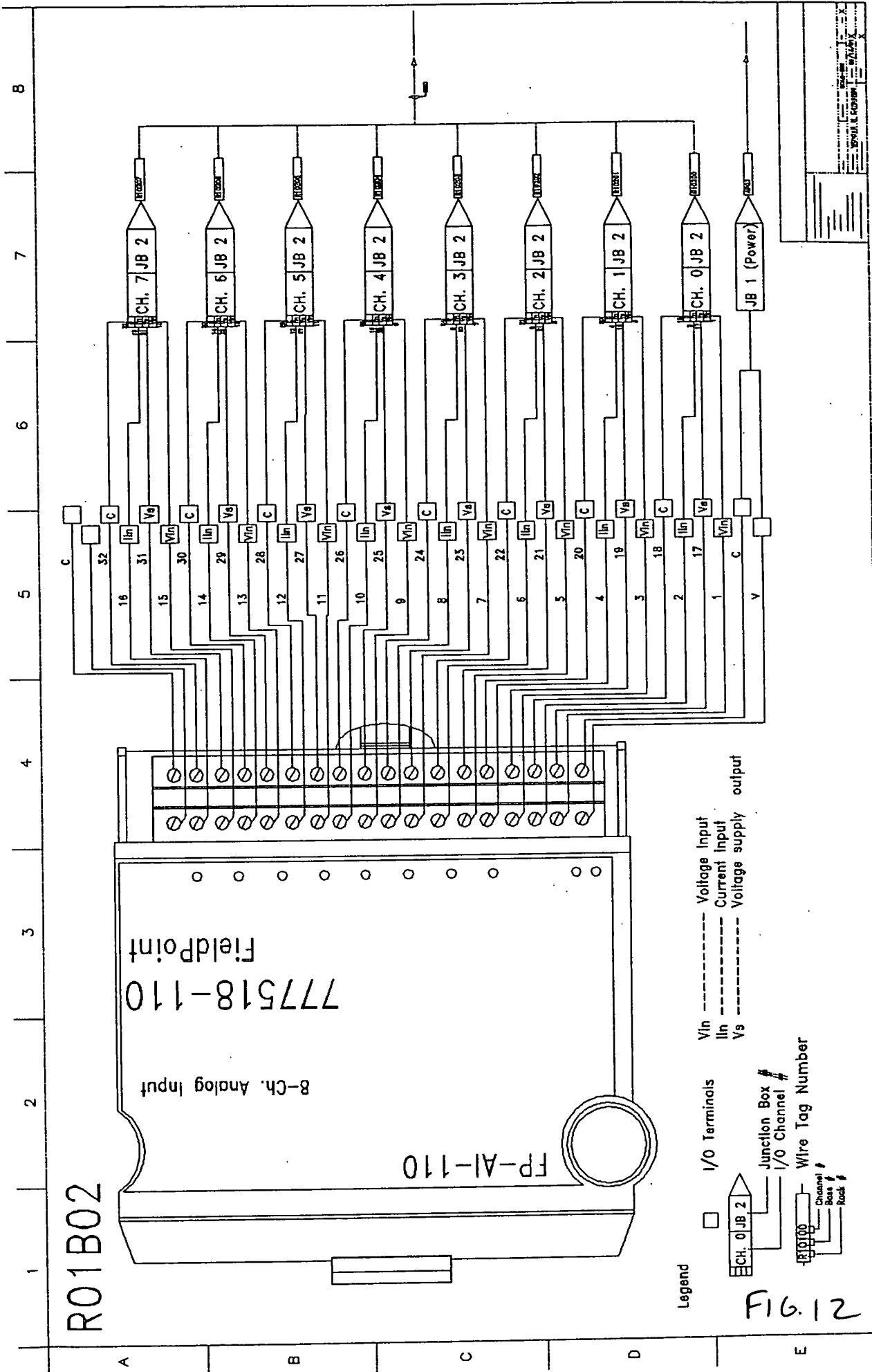


FIG. 12

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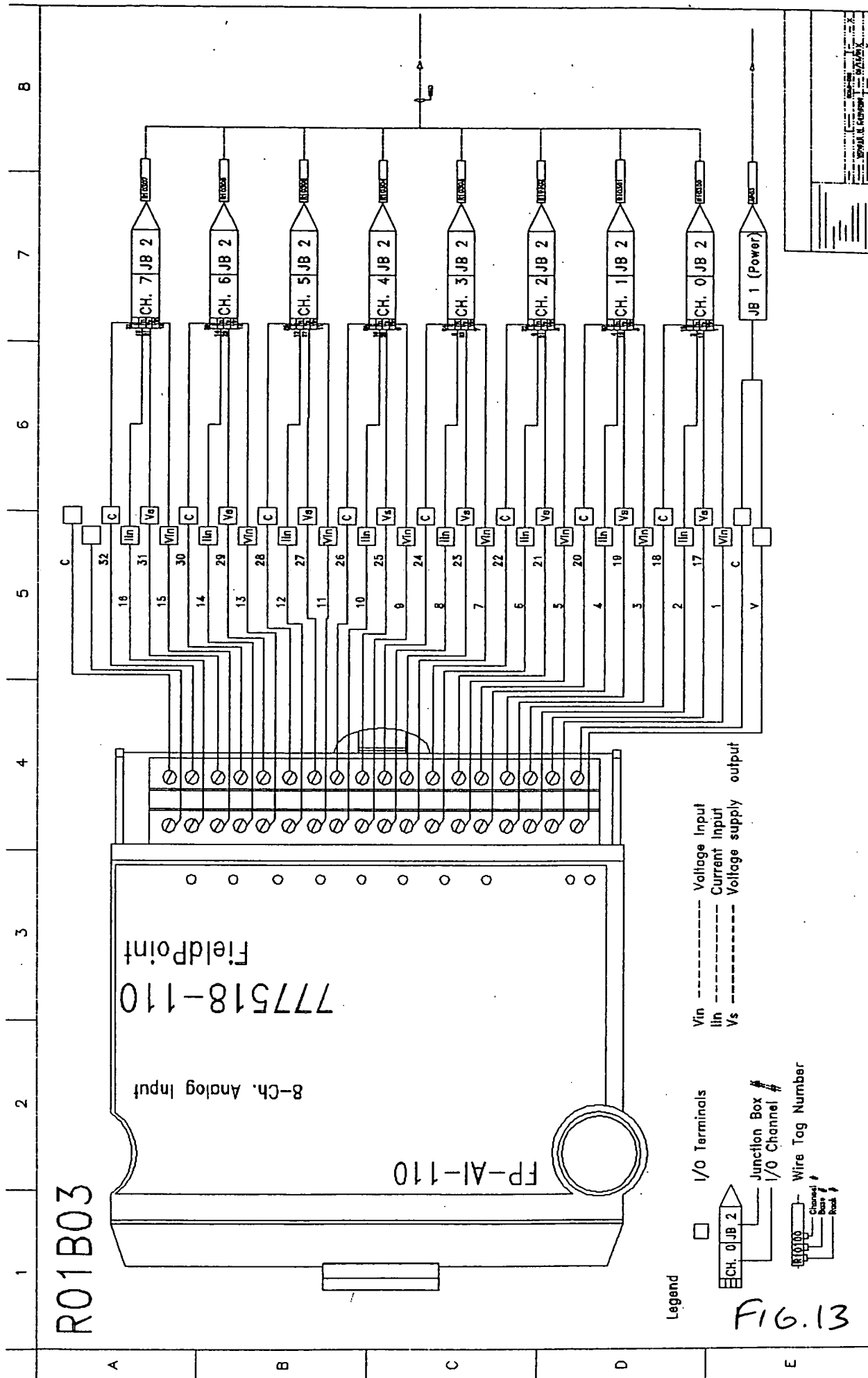


FIG.13

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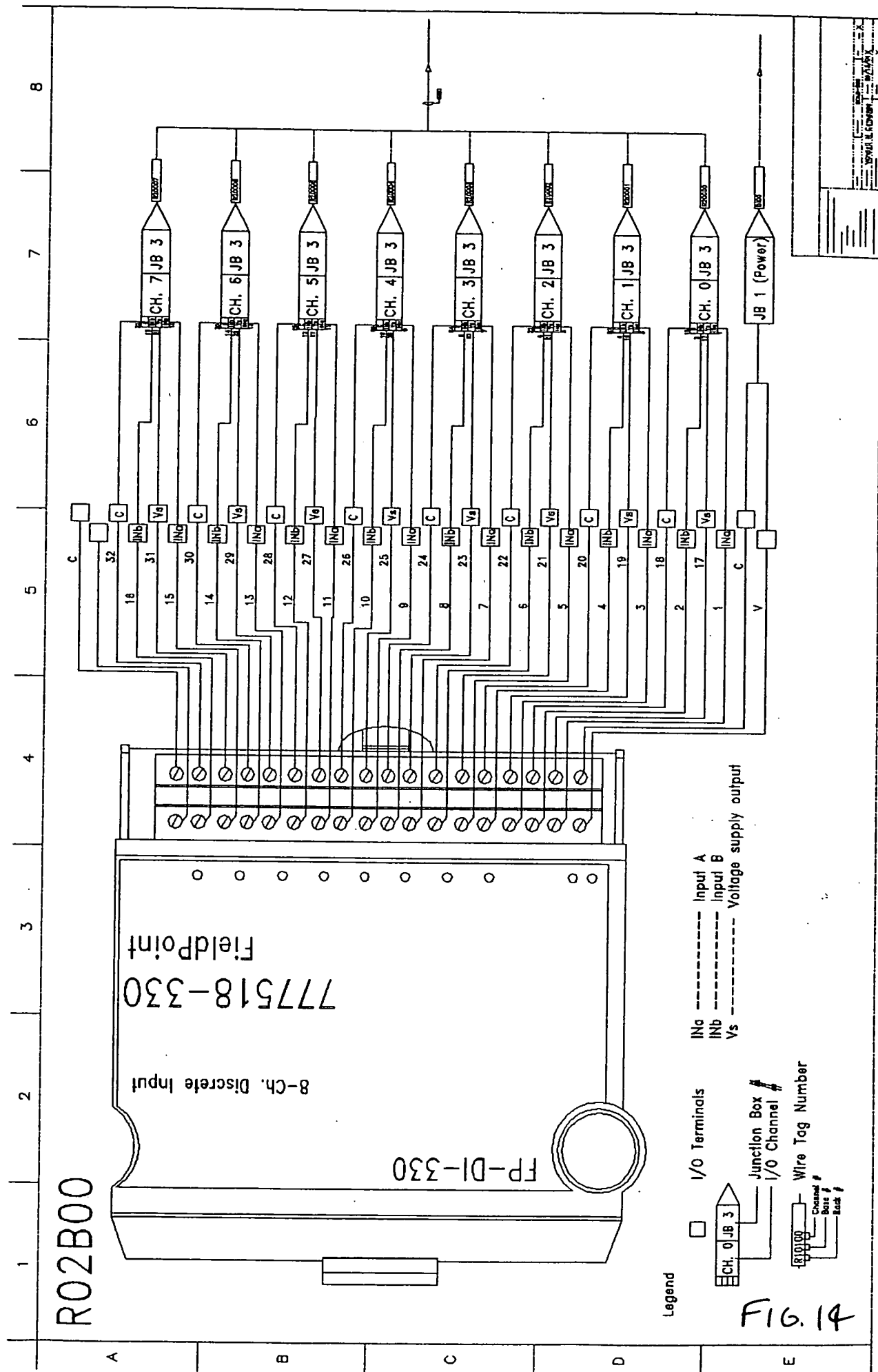
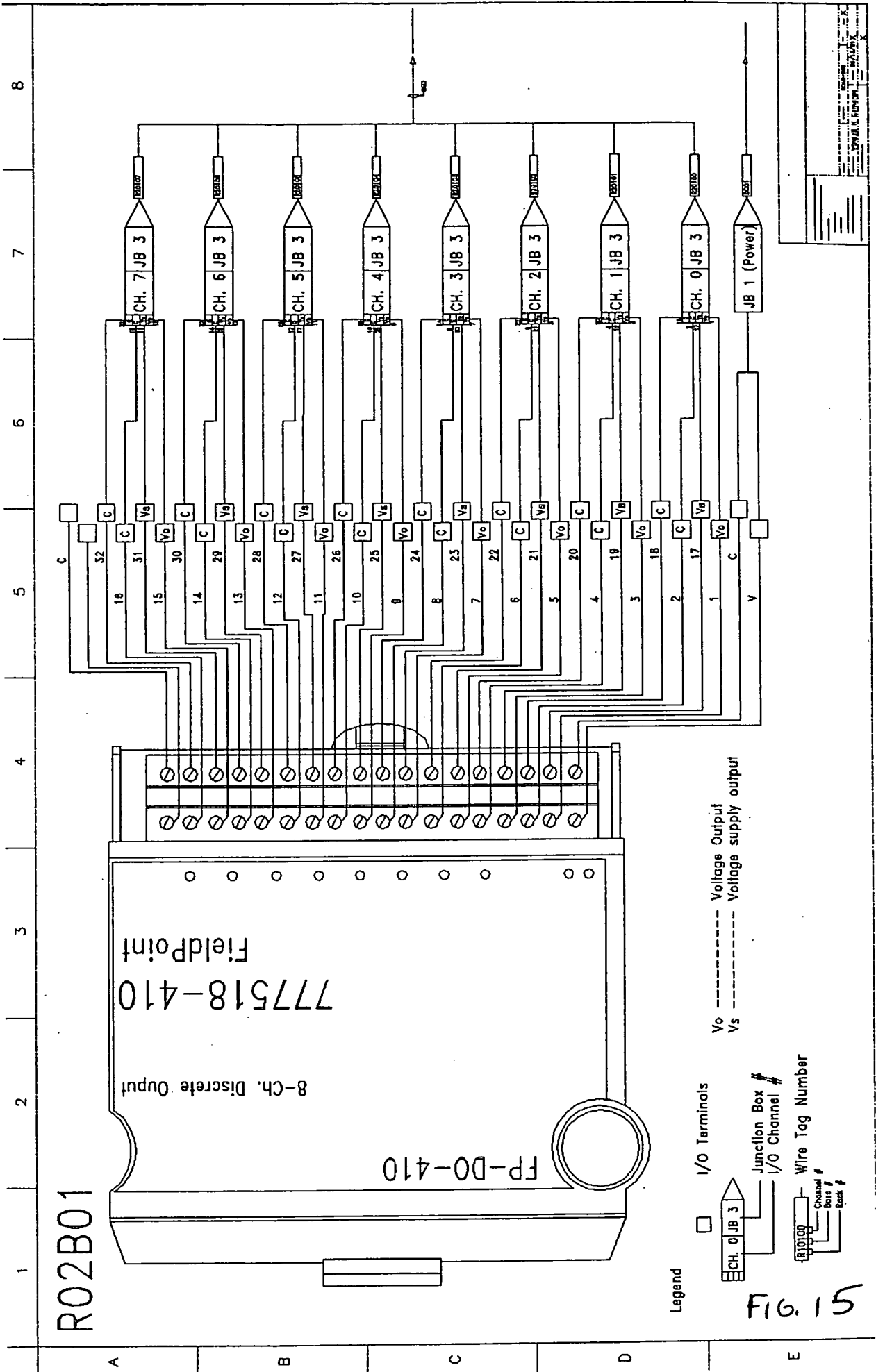


FIG. 14

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R02B02

FP-DO-410
8-Ch. Discrete Output
FieldPoint
777518-410

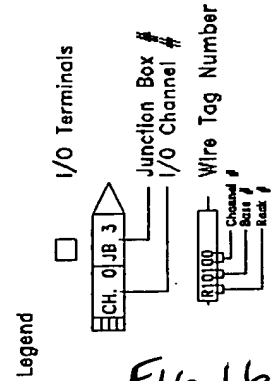
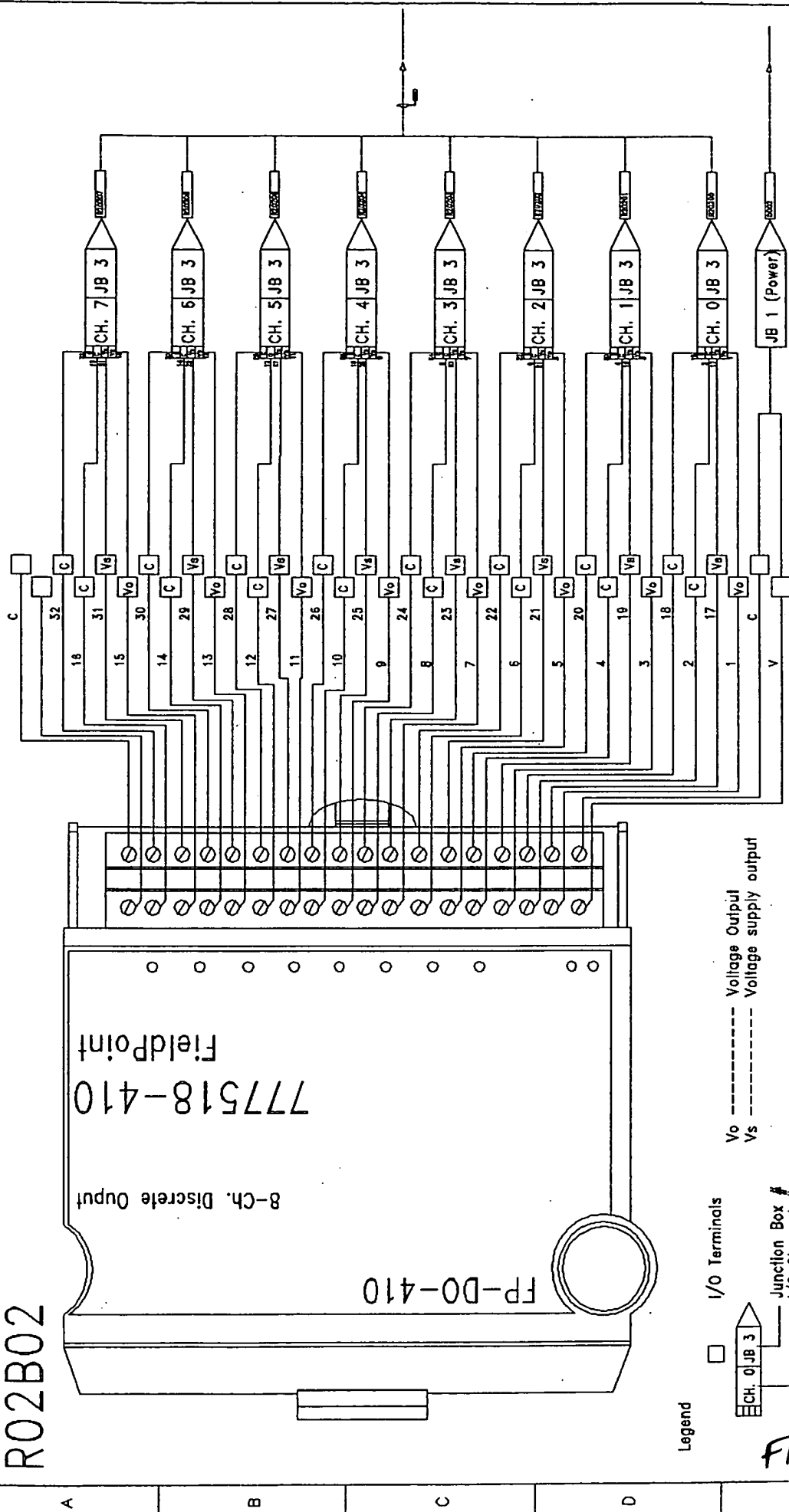


FIG. 16

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BASKIS & ASSOCIATES DRY CYCLE ANAEROBIC DIGESTER INSTRUMENTATION

MODULES

Tag	Description
RO1800	Rock 1 Base 0 module - Thermal Module
RO1801	Rock 1 Base 1 module - Thermocouple Module
RO1802	Rock 1 Base 2 module - Analog Input
RO1803	Rock 1 Base 3 module - Analog Input
RO1804	Rock 2 Base 0 module - Discrete Input
RO1805	Rock 2 Base 1 module - Discrete Input
RO1806	Rock 2 Base 2 module - Discrete Output

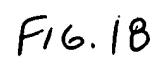
INSTRUMENT

Tag	Description	Modules	Channel
TI-101	Temp. Indicator for BR-101 (Biological Reactor)	RO1801 (Base 1 Base 1)	Ch. 00
TI-102	Temp. Indicator for BR-102 (Biological Reactor)	RO1801 (Base 1 Base 1)	Ch. 01
LI-101	Level Indicator for BR-101	RO1801 (Base 1 Base 1)	Ch. 02
LI-102	Level Indicator for BR-102	RO1801 (Base 1 Base 1)	Ch. 03
FI-101	Flow Indicator for Gas output	RO1801 (Base 1 Base 1)	Ch. 04
FI-102	Flow Indicator for Water output	RO1801 (Base 1 Base 1)	Ch. 05
PI-101	Pressure Indicator for BR-101 (Biological Reactor)	RO1801 (Base 1 Base 1)	Ch. 06
PI-102	Pressure Indicator for BR-102 (Biological Reactor)	RO1801 (Base 1 Base 1)	Ch. 07
PSI-101	Pressure Indicator for S-120	RO1801 (Base 1 Base 1)	Ch. 08
PSI-102	Pressure Indicator for S-120	RO1801 (Base 1 Base 1)	Ch. 09
LSH-120	Level Switch for S-120	RO1801 (Base 1 Base 1)	Ch. 10
SV-100	Solenoid Valve - Air Input to AA-100 (Air Aspiration Valve)	RO1801 (Base 1 Base 1)	Ch. 11
SV-101	Solenoid Valve - Air Input to AA-101 (Air Aspiration Valve)	RO1801 (Base 1 Base 1)	Ch. 12
SV-102	Solenoid Valve - Air Input to AA-102 (Air Aspiration Valve)	RO1801 (Base 1 Base 1)	Ch. 13
SV-103	Solenoid Valve - Air Input to AA-103 (Air Aspiration Valve)	RO1801 (Base 1 Base 1)	Ch. 14
SV-104	Solenoid Valve - Air Input to AA-104 (Air Aspiration Valve)	RO1801 (Base 1 Base 1)	Ch. 15
SV-105	Solenoid Valve - Air Input to AA-105 (Air Aspiration Valve)	RO1801 (Base 1 Base 1)	Ch. 16
SV-106	Solenoid Valve - Air Input to AA-106 (Air Aspiration Valve)	RO1801 (Base 1 Base 1)	Ch. 17
SV-107	Solenoid Valve - Air Input to AA-107 (Air Aspiration Valve)	RO1801 (Base 1 Base 1)	Ch. 18
SV-108	Solenoid Valve - Air Input to AA-108 (Air Aspiration Valve)	RO1801 (Base 1 Base 1)	Ch. 19
LSH-120	Level Switch for S-120 (LV DC PS)	RO1801 (Base 1 Base 1)	Ch. 20

FIG. 17

1	2	3	4	5	6	7	8
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A	B	C	D	E
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1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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JUNCTION BOX 1 LAYOUT (POWER)

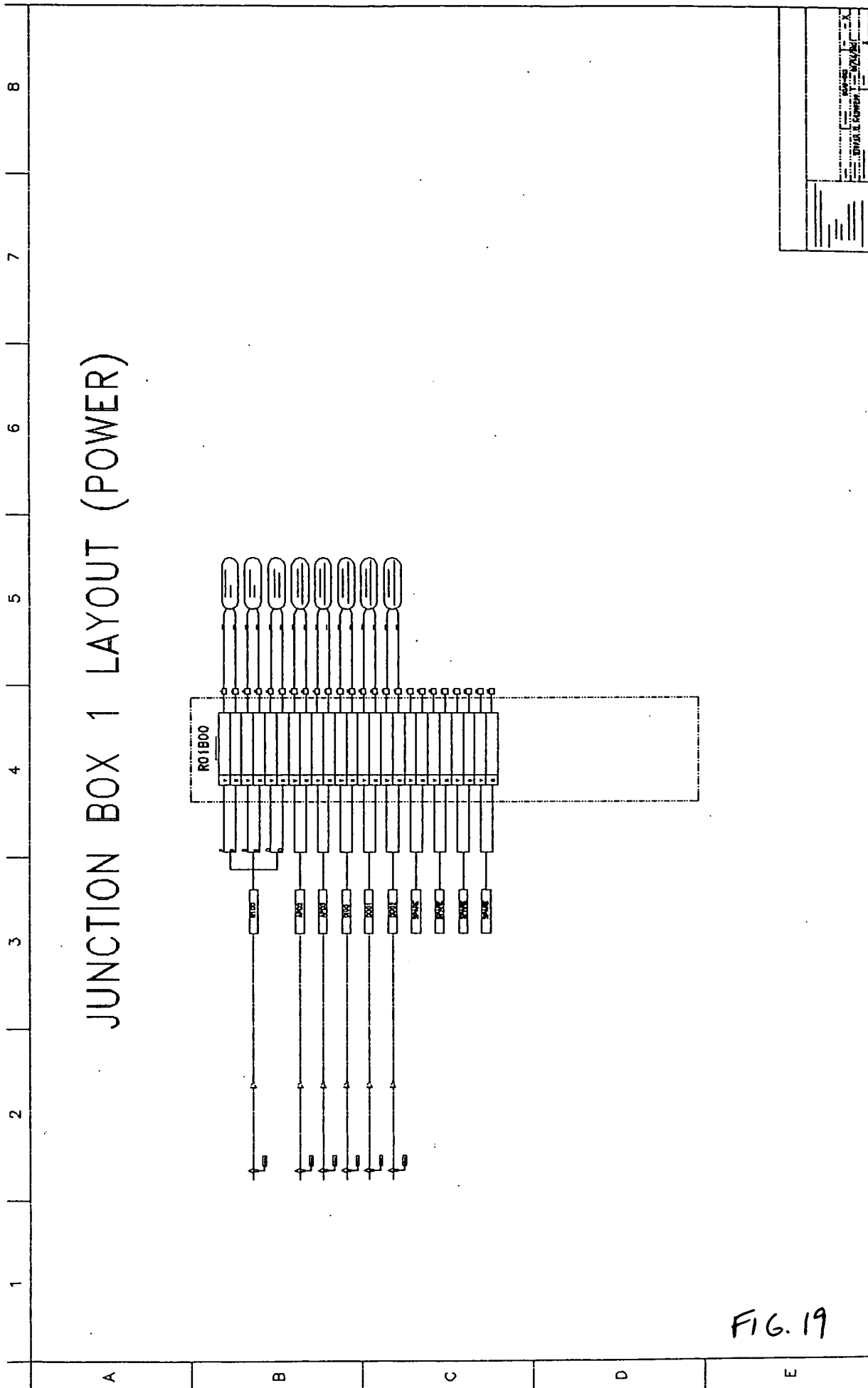


FIG. 19

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JUNCTION BOX 2 LAYOUT (ANALOG)

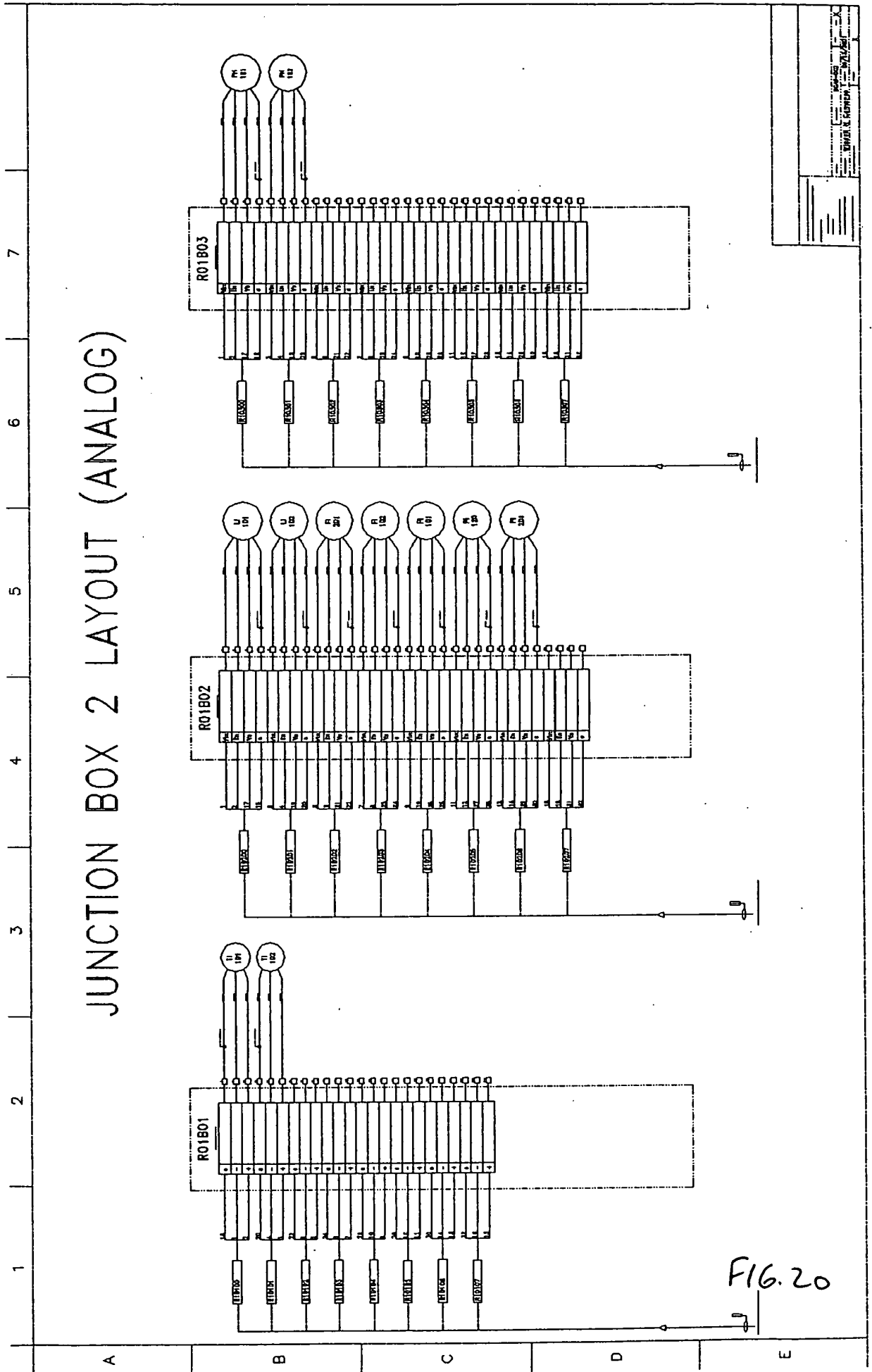


FIG. 20

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JUNCTION BOX 3 LAYOUT (DISCRETE)

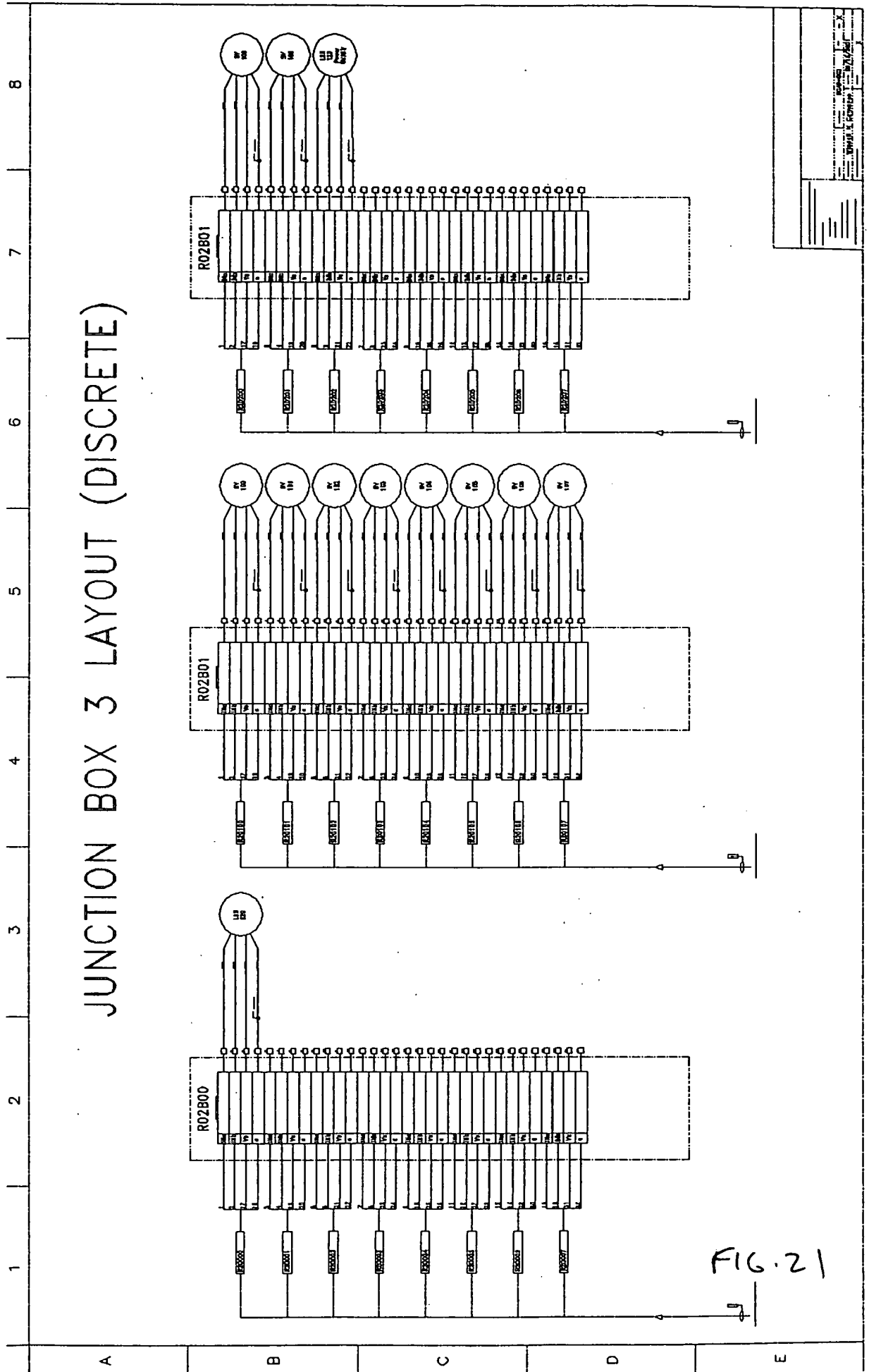


FIG. 21